5G Slice to Price

TechM Platform for commercializing network slices powered by BlueMarble®

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Concept

The definition of a large portion of the network services in 5G will be done by layers higher than a traditional network nodes – BSS (business models + offerings), OSS (optimization and orchestration) and the customers.

All this, at unprecedented scale!

Network slicing will allow CSPs to split physical network to multiple purpose designed virtual networks, allowing, from a commercial standpoint, **faster time to market and create multiple revenue models.**

The question is - how do we do it?

Core Elements



Lightweight, In-context User Experience



Centralized, Open and Standard yet Flexible Product Catalog



Hierarchical, Role based customer and partner information



Seamless – Highly configurable Order Management journeys



At scale online rating, charging and billing

Business View: Network Slicing Offerings

Network Slicing will allow to split a single physical network into multiple virtual networks







Multimedia: Wireless Broadband Slice

Live video stream, 3D video stream

Car Infotainment: Wireless Broadband Slice

Customizations of network slices for real time data streaming with high mobility

Connected Vehicle: Real-time Control Slice

Customizations of network slices for real time data monitoring with high mobility

Smart City: IoT Slice

Customizations of network slices for huge number of devices with low mobility and bandwidth

Real Time Gaming: Video Streaming Slice

Customizations of network slice for experience with high bandwidth (4K/8K videos) and low latency

VERTICAL SLICE

Public Safety: Real-time Control slice

Push to talk, Mission critical communication

Smart Home: Wireless Broadband Slice

Customizations of network slices for high bandwidth data pipe for home appliances

Smart Factory Automation: Real-time Control Slice

Customizations of network slices for ultra low latency devices

Robo Processing: IoT Slice

Customizations of network slices for high bandwidth and ultra latency for Robo processing in high security applications

LIVE Stadium at Home: Video Streaming Slice

Customizations of network slice for experience LIVE sports with high bandwidth (4K/8K videos) and low latency

SLICE

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BlueMarble Solution





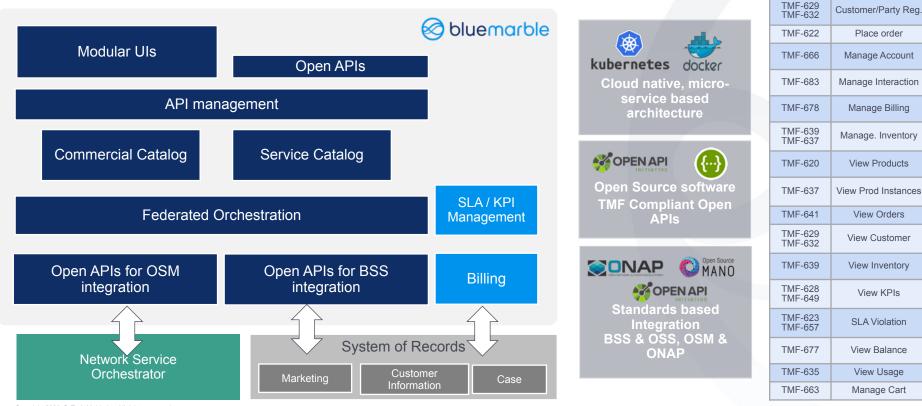
- TM Forum compliant APIs and Data Models
- Cloud Native Microservices Architecture
- Logic de-coupled User Interfaces Drag-Drop Designer Studio, Rules, Content, Styling

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- Omnichannel Sales | Catalog | Customer | Orders with easy std. integrations (ext./int.)
- Business Owned No Code Process Modelling and Event
 Orchestration
- Developer and Infrastructure Automation
- 100% Open Source
- Deployments across tier 1 operators in North America and Europe

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Standards driven, Open Source, Digital solution



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Description

TMF ID

BlueMarble for Network Slice Commercialization

ASK

- Build a completely independent, lean and future proof 5G BSS stack (for B2B2X)
- Zero techno-functional debt
- Network slice commercialization
- Explore possibilities for reducing operational costs through maximizing customer self-care and automation
- To be used for first trials with friendly customers

MODELS (Examples)

| | B2B – Industrial Campuses | B2C – Dedicated Short-term | B2B2x – Live Events and Broadcast |
|--------------------------|---|--|--|
| Slice Characteristics | Dedicated qualityIsolated | Application-driven | Dedicated low latencyLocation based |
| Applications | AGVsmIOT sensors | VideoAR/VRUltrafast Internet | Immersive media Ecosystem Play (Goods and Data) |
| Slice Access | B2B SIMsB2B Admin controlled | DB2B SIMs Consumer books access Time bound | Arena owner orders slice In-arena consumer books access |
| Slice Owner | Campus Owner | CSP | Arena Owner |

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Slice Ordering Portal



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5G NETWORK SLICING Ordering Monitoring My Products

은 Kamalesh

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eMBB Offering



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Thank you

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